CAP. XVI.

Sinus BGA 99880000
Sinus BAG 8852 | 1
11360
8852 | 1
2508 | 2
17704
7376 | 8
7082
294 | 3

Ergo BA *est* 11283 *qualium* BG 100000.

Vt vero 53866 BG *ad* 100000 *sic* 100000 *ad* AC.

BG 53866 | 1
46134
430928 | 8
30412 | 5
26933
3479 | 6
3232 | 4

Ergo AC 18564
Et BC 7281 *qualium* BG 100000.

Sed ut omnis error excludatur, agamus proportionaliter.

Primo fuit BG 53860	AG 50739	BGA 5°.51′.2″.	BAG 62°.38′.23″
Jam 53866	50769	5.43.57.	62.16.37
Differentia 6	30	7. 5.	21.46
Amplius tertia parte pergendum 2	11	2.25.	BAG 62°. 8′.37″. 5.41.32.
BG *Corr:* 53868	AG 50780	BGA 5°.41′.32″	67.50. 9.

100000

Sinus BGA 99190
Sinus BAG 88414

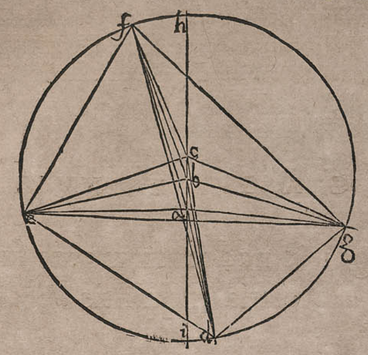
BG 53868 | 1 — 11776
46132 — 8841 | 1
4304288 — 2935
30392 — 2652 | 3
26933 | 5 — 283
3459 — 265 | 3
32326 — 18 | 2
227 | 4

Manet igitur eccentricitas tota 18564
eccentrici vero 11332
& æquantis 7232

IN FORMA COPERNICANA & TYCHONICA esset diameter parvi epicycli 3616, majoris 14948. Vel secundum ea, quæ in fine capitis quarti dicta sunt, pro sinu tangens sumatur in hunc modum.

Investi-

CAP. XVI.



Investigetur æquatio maxima ad gradum nonagesimum. Sit HCG *90. Erit* BC *sinus anguli* BGC 4°. 8′. 51″. *Et* GBC 85°. 51′. 9″. *Et* GC *99738. At in forma* COPERNICANA C *stante ad centrum concentrici, erit* GC *100000. Vt igitur* CGA *angulus æquationis maneat, idem* TYCHONI & COPERNICO *in eadem proportione augendus est*

1856400000
99738 | 1
85902
79790 | 8
6112 | 6
5984
128 | 1
99 | 3

COPERNICO-TYCHONICA *eccentricitas composita. Et hæc in tangentibus exhibet* 10. 32′. 38″ *communem æquationis angulum ad gradum anomaliæ 90.*

Ergo minoris epicycli diameter correcta 3628.
majoris 14988.

Confer ista omnia cum cap. v. ubi restitutionem TYCHONICAM a medio ad apparentem Solis motum transposui, & vide quam sit exiguum discrimen.

ATQVE HAC METHODO ex quatuor ἀκρονυχίοις Martis locis hypothesis primæ inæqualitatis est investigata. In qua hoc cum PTOLEMÆO posui: loca omnia Planetæ per cœlum disposita, ordinari in circuli unius circumferentia: item iis locis Physicam retardationem esse maximam, ubi Planeta longissime a centro terræ (secundum PTOLEMÆVM) vel Solis (secundum TYCHONEM & COPERNICVM) digreditur: & fixum esse punctum, ad quod mensura hujus retardationis expenditur. Cætera omnia demonstravi. siquidem forma demonstrandi est ad impossibile ducere. Vtrum autem hæc a me inter demonstrandum assumpta vere ita habeant an secus, id in sequentibus patebit.

JAM